

Converting Colors

CIELCh(90, 87.451, 94.796)

Have a look what the booklet for
CIELCh(90, 87.451, 94.796) contains.

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Color

CIELCh(90, 87.442, 95.074)

Conversions

Conversions Part 1

Format	Color
Hex	FFE317
RGB	255, 227, 23
RGB Percent	100%, 89%, 9%
CMY	0.0000, 0.1096, 0.9092
CMYK	0.00, 0.11, 0.91, 0.00
HSL	53°, 100%, 55%
HSV	53°, 91%, 100%
XYZ	68.9033, 76.3034, 11.9138
YIQ	212.1160, 82.1720, -57.5080

Conversions

Conversions Part 2

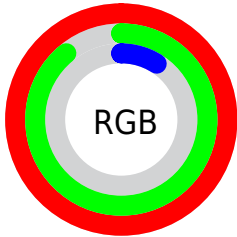
Format	Color
R _Y B	55, 255, 23
Decimal	16769815
CIE Lab	90.00, -7.73, 87.10
CIE LCh	90, 87.442, 95.074
Yxy	76.3034, 0.4385, 0.4856
Android (android.graphics.Color)	4294959895 (0xFFFFE317)
YUV	212.1160, -93.2342, 37.6093
Hunter-Lab	87.3518, -12.0643, 53.0597

Details

The CIELCh color **90, 87.442, 95.074** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **37, 118.672, 303.220**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 75.229, 104.432**, and **70, 72.819, 95.303** is the 20% darker color. If you saturate the color by 10%, you get **89, 89.035, 94.243**, and if you desaturate by 10%, it is **91, 83.128, 96.045**.

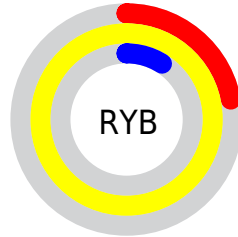
Distribution



Red (100%)

Green (89%)

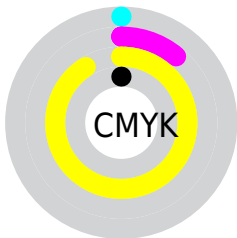
Blue (9%)



Red (22%)

Yellow (100%)

Blue (9%)

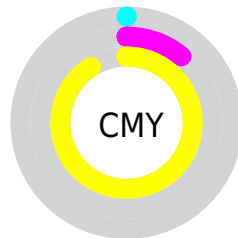


Cyan (0%)

Magenta (11%)

Yellow (91%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 87.442, 95.074 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 90, 87.442, 95.074 by changing the saturation by 10% instead.

 90, 87.442, 95.074

 90, 87.442, 95.074

 100, 87.442,
95.074

 80, 87.442, 95.074

 70, 87.442, 95.074

 60, 87.442, 95.074

 50, 87.442, 95.074

 40, 87.442, 95.074

 30, 87.442, 95.074

 20, 87.442, 95.074

 10, 87.442, 95.074

 0, 87.442, 95.074

■ 90, 87.442, 95.074

■ 90, 87.442, 95.074

■ 89, 89.035, 94.243

■ 91, 83.128, 96.045

■ 92, 76.190, 97.040

■ 93, 67.338, 98.085

■ 94, 57.263, 99.170

■ 95, 46.470,
100.281

■ 96, 35.288,
101.401

■ 97, 23.917,
102.515

■ 99, 12.478,
103.609

■ 100, 1.042,
104.560

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90, 87.442, 95.074



37, 118.672, 303.220

Rectangle

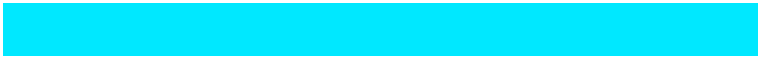
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 87.442, 95.074



90, 87.442, 145.074



90, 87.442, 275.074



90, 87.442, 325.074

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90, 87.437, 95.094



96, 30.841, 101.839



54, 91.841, 30.679



51, 20.764, 101.457



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 87.437, 95.094



89, 89.035, 94.243



92, 101.636, 122.216



53, 6.493, 103.761



69, 71.805, 94.407



23, 32.331, 95.694

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37, 118.672, 303.220



34, 127.309, 304.900



40, 123.693, 309.480



49, 6.602, 285.883



25, 101.472, 304.602



5, 40.295, 299.535

Previews

White Background



This preview shows how the CIELCh color 90, 87.442, 95.074 looks on a white background.

Color Contrast Check

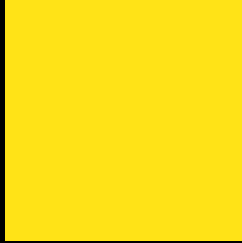
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 90, 87.442, 95.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 87.442, 95.074

Background



This preview shows how black text looks on a background with the CIELCh color 90, 87.442, 95.074.



This preview shows how white text looks on a background with the CIELCh color 90, 87.442, 95.074.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90, 87.442, 95.074

Protanopia

90, 85.227, 95.054

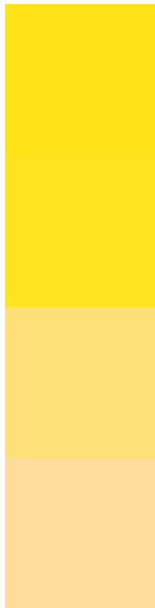
Deuteranopia

90, 27.919, 79.374



Tritanopia
90, 15.296, 358.717

Trichromacy



Original Color
90, 87.442, 95.074

Protanomaly
90, 86.176, 95.063

Deuteranomaly
90, 54.451, 91.513

Tritanomaly
89, 37.532, 85.028

Monochromacy



Original Color
90, 87.442, 95.074

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 38.434, 100.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 87.442, 95.074 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 227, 23)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 23)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 227, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 87.442, 95.074 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 227, 23) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 227, 23) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 227, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 87.442, 95.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 23) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
227, 23) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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